

LCD CELL CONSTRUCTION BY MECHANICAL THINNING OF A COLOR

FILTER SUBSTRATE

ABSTRACT OF THE DISCLOSURE

A display device and method for fabricating a liquid crystal cell are disclosed. A liquid crystal cell includes a first substrate, and a second substrate attached to the first substrate. The first substrate has a same thickness as the second substrate. The first substrate is lapped at a first rate while concurrently lapping the second substrate at a second rate, which is different from the first rate. The first substrate and the second substrate are thinned to different thicknesses. The thinner of the first and second substrates is provided on a viewer side of a collimate and post diffuse type liquid crystal cell to reduce depixelization.